

Fig. 1A PRIOR ART

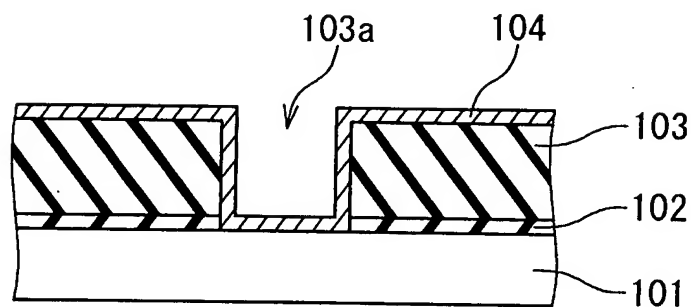


Fig. 1B PRIOR ART

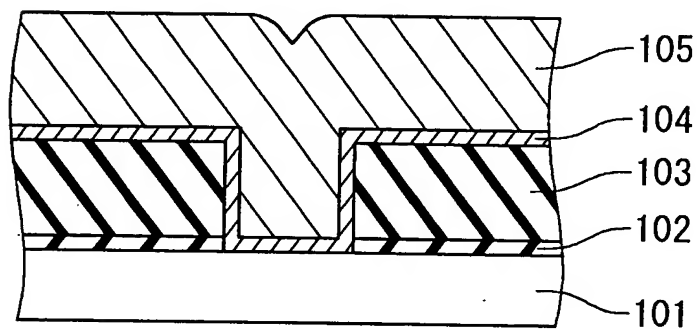


Fig. 1C PRIOR ART

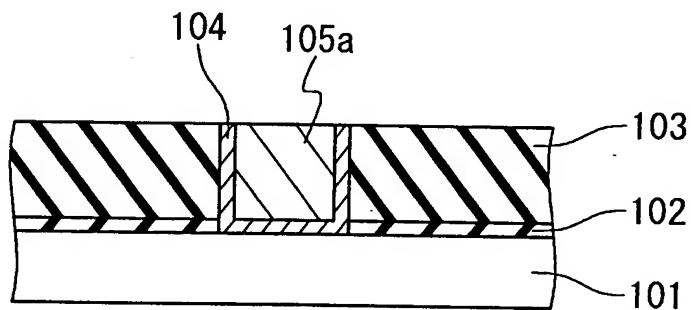


Fig. 2A PRIOR ART

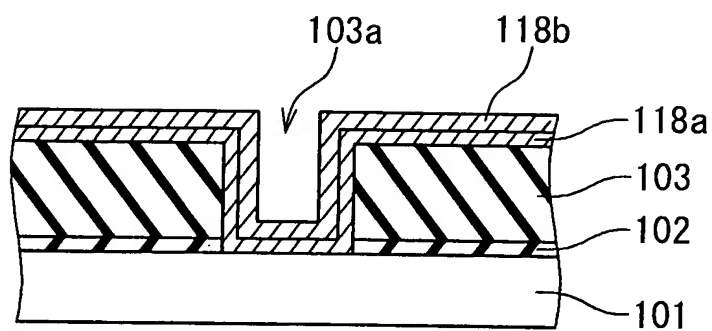


Fig. 2B PRIOR ART

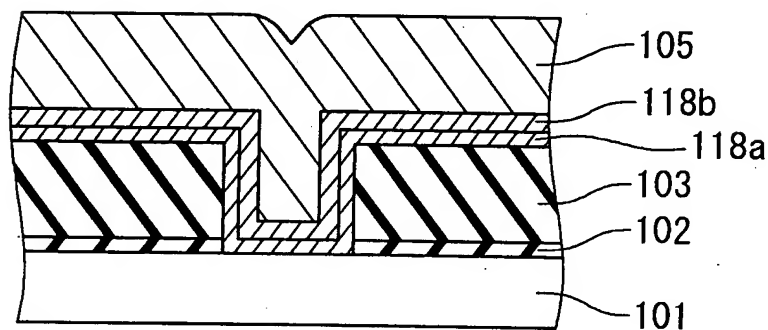


Fig. 2C PRIOR ART

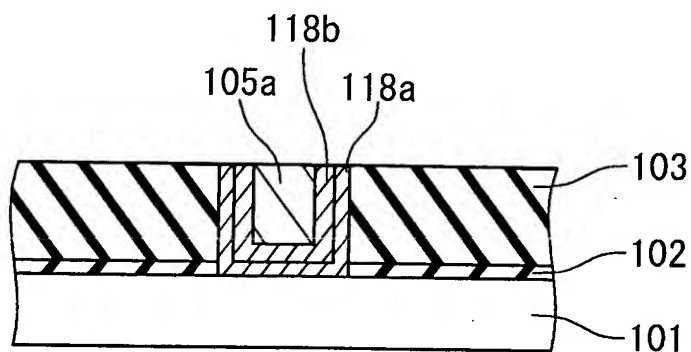


Fig. 3A PRIOR ART

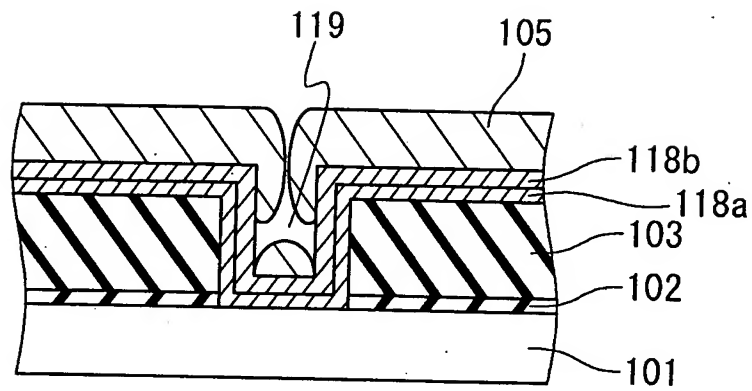


Fig. 3B PRIOR ART

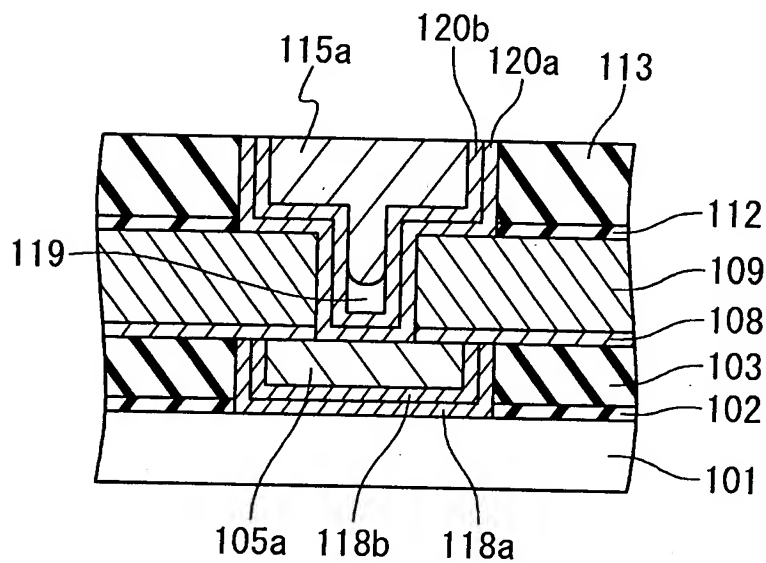


Fig. 4A

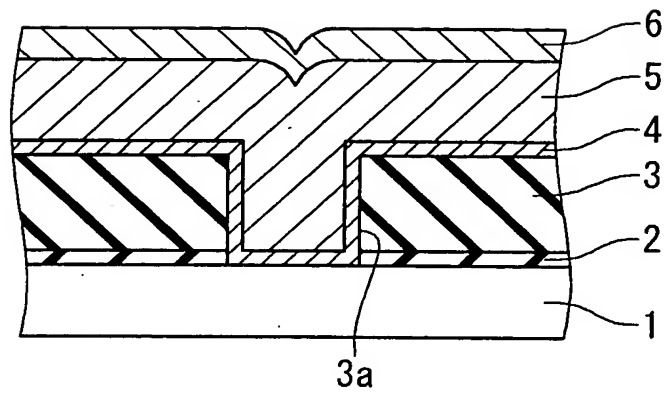


Fig. 4B

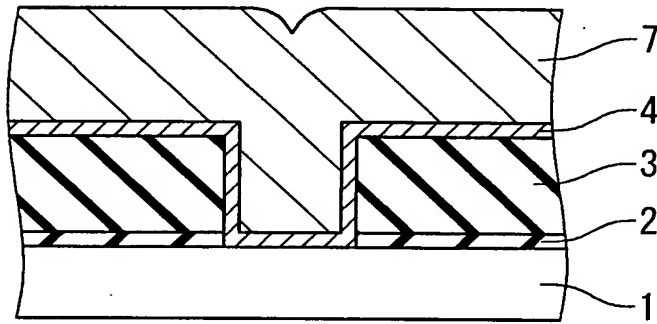


Fig. 4C

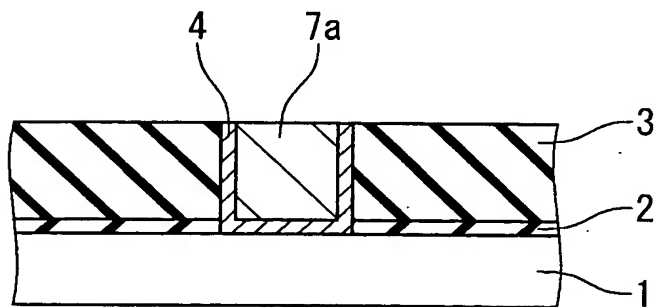


Fig. 5A

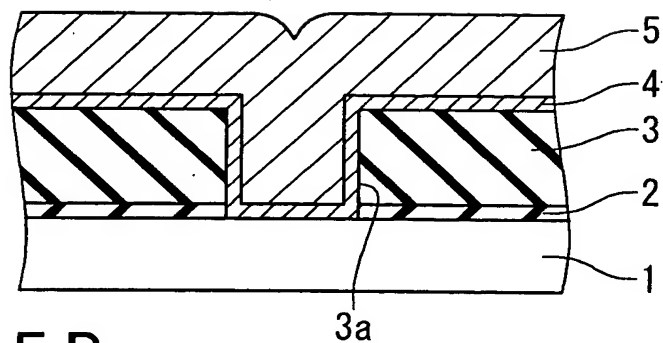


Fig. 5B

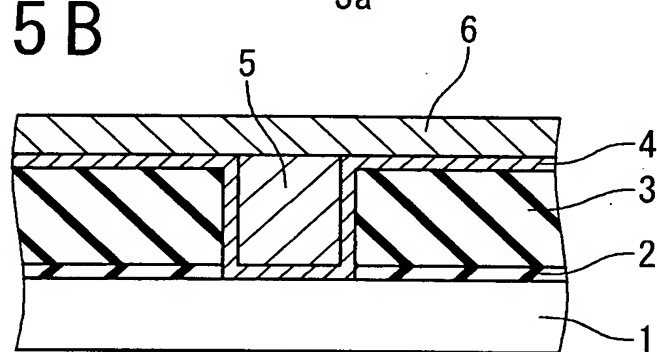


Fig. 5C

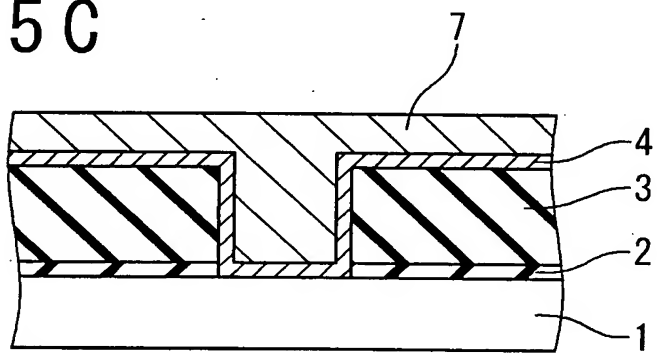


Fig. 5D

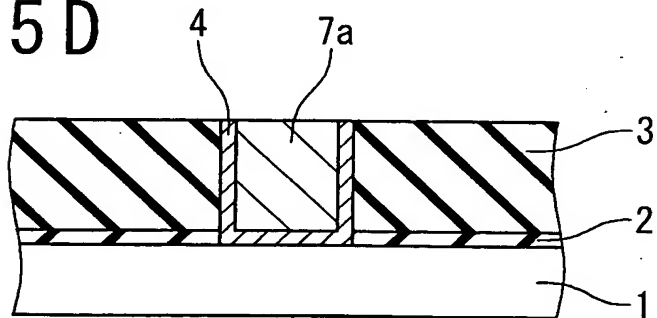


Fig. 6A

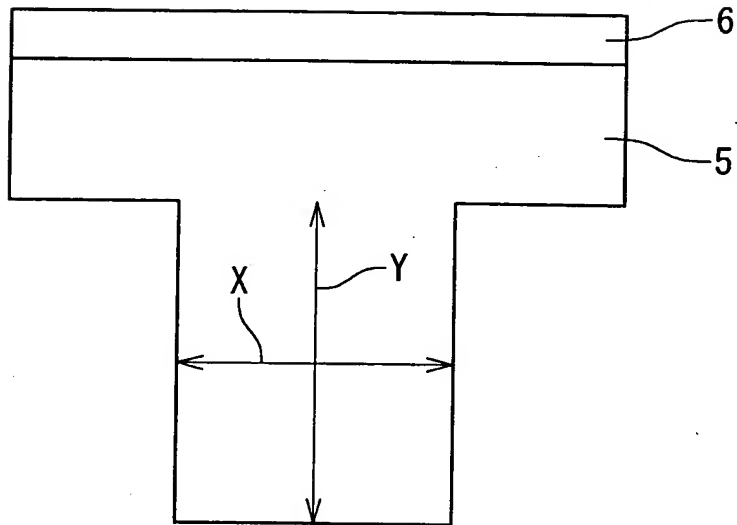


Fig. 6B

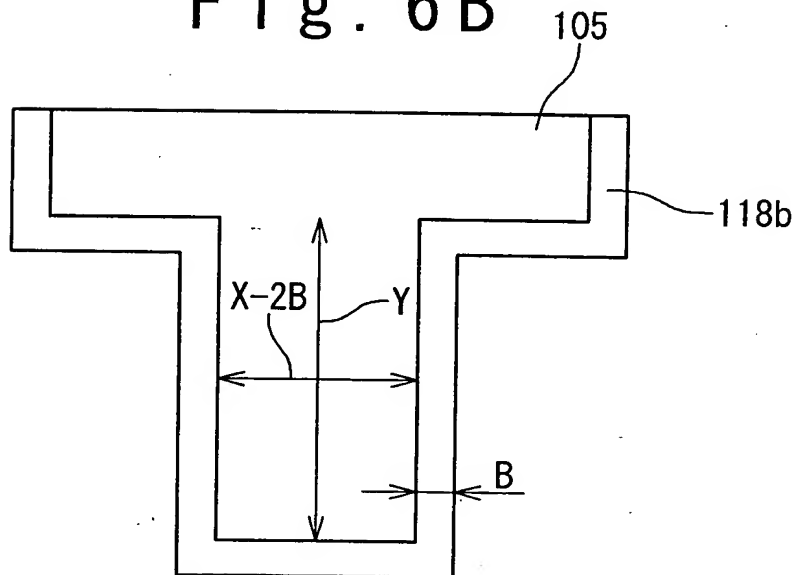
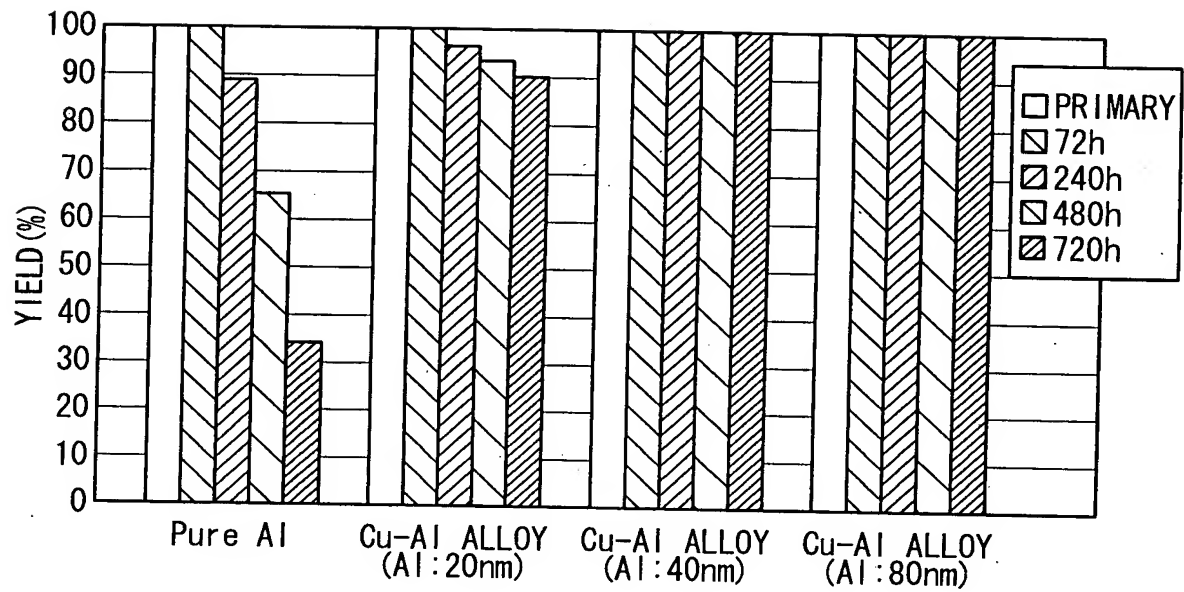
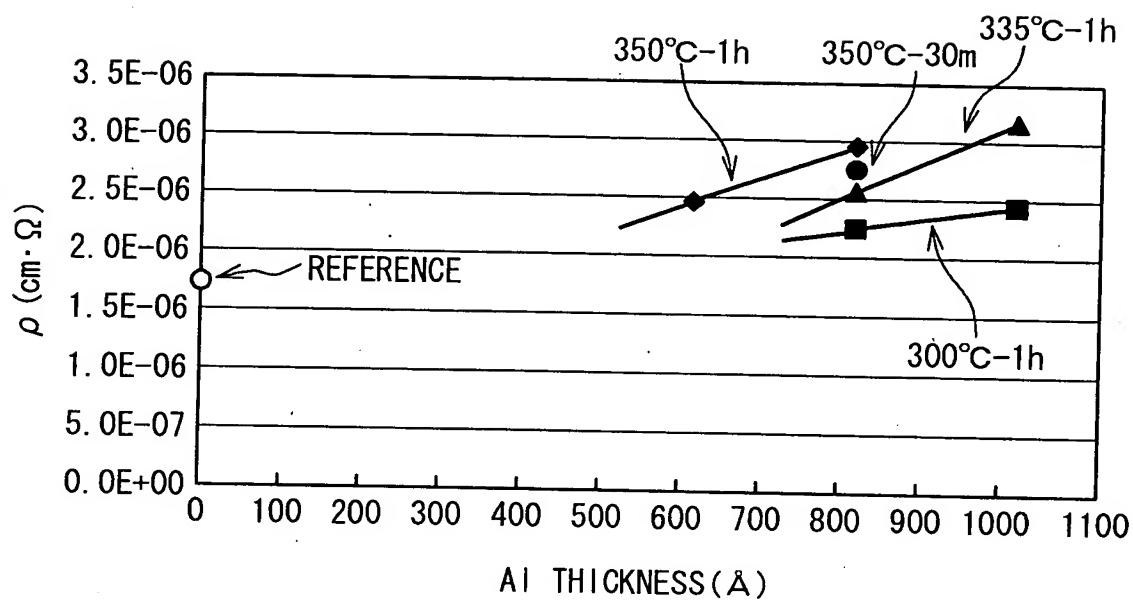


Fig. 7



# Fig. 8A



# Fig. 8B

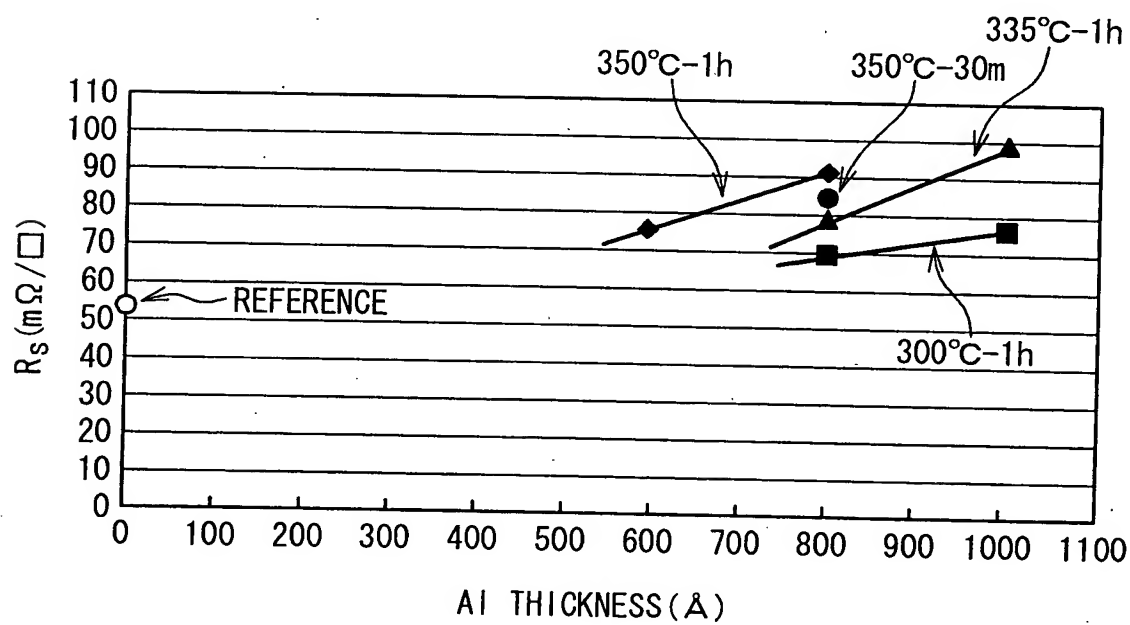




Fig. 9A

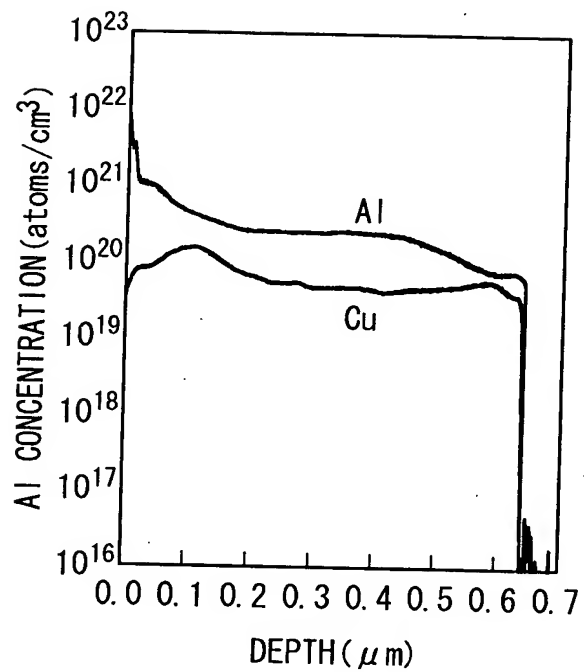


Fig. 9B

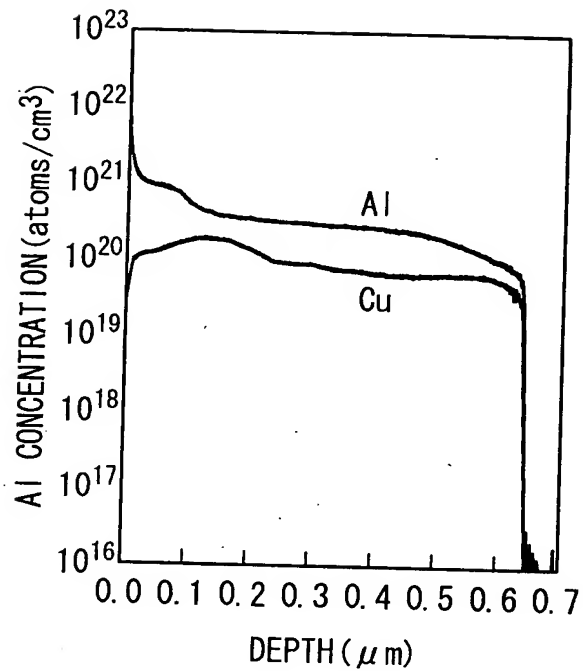


Fig. 9C

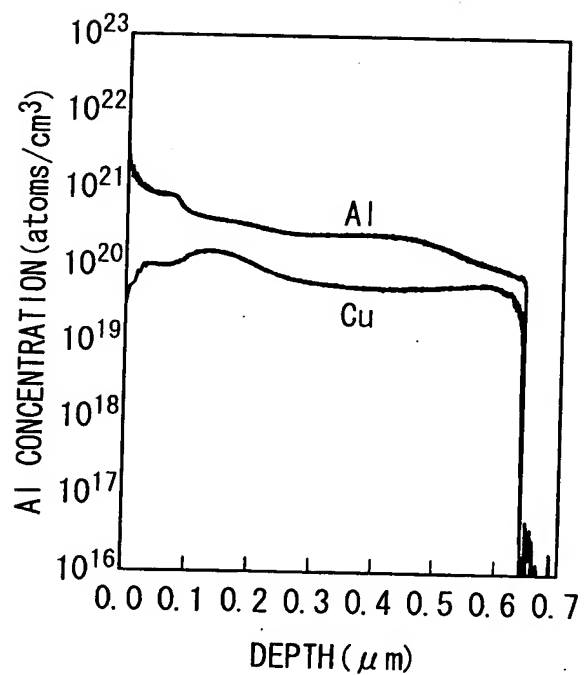


Fig. 10

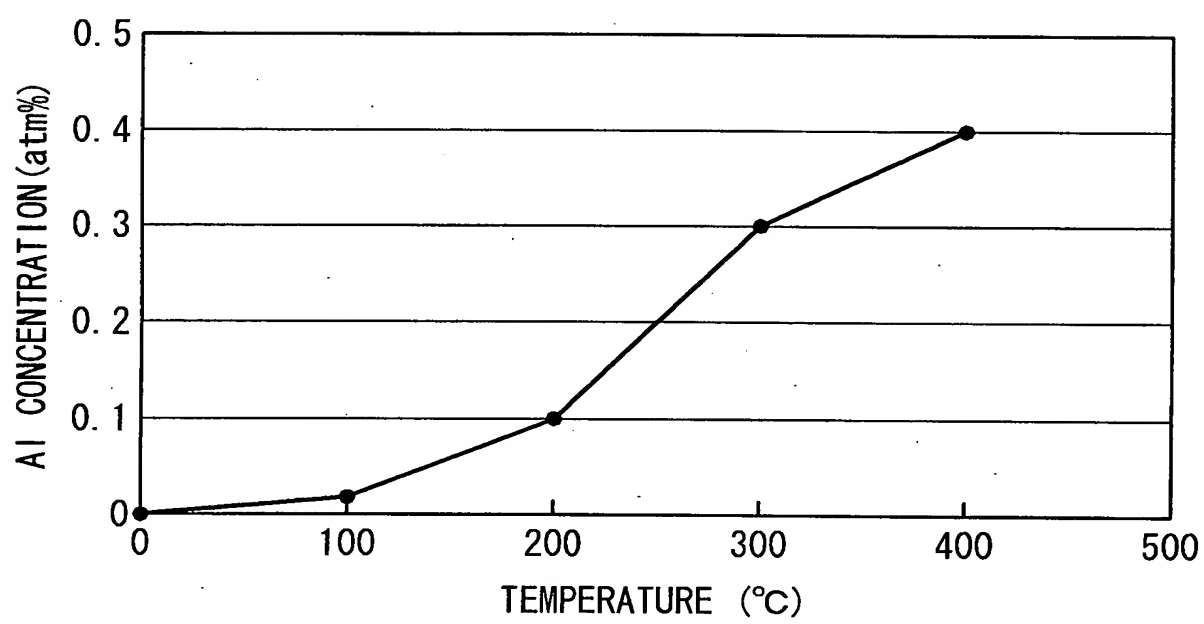


Fig. 11A

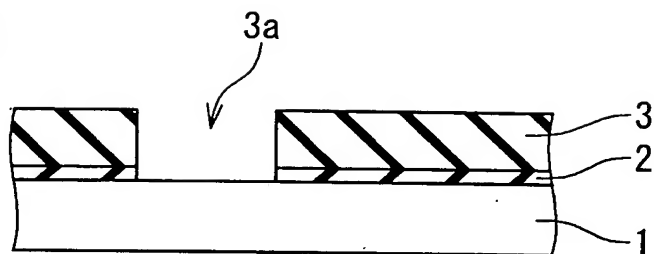


Fig. 11B

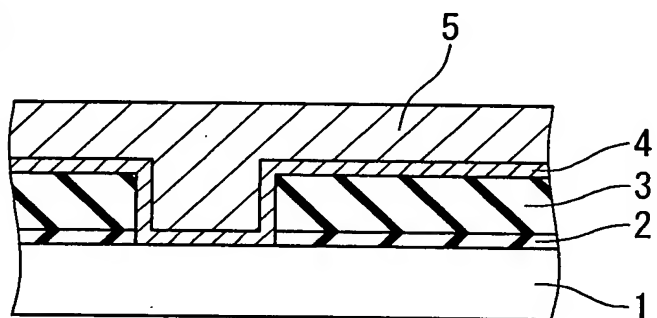


Fig. 11C

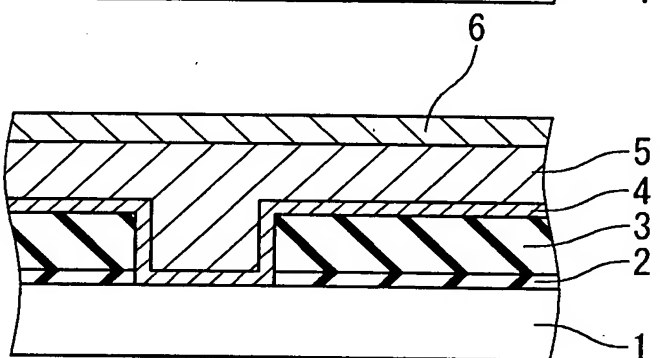


Fig. 11D

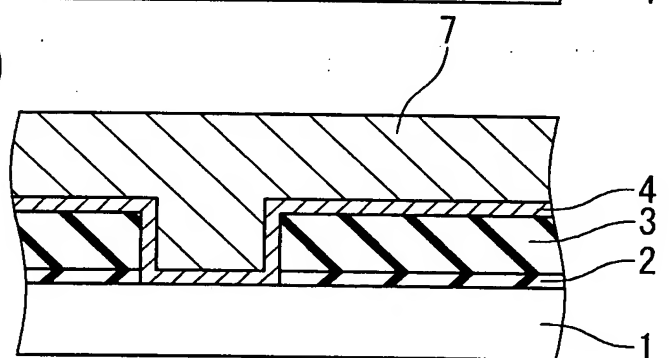


Fig. 11E

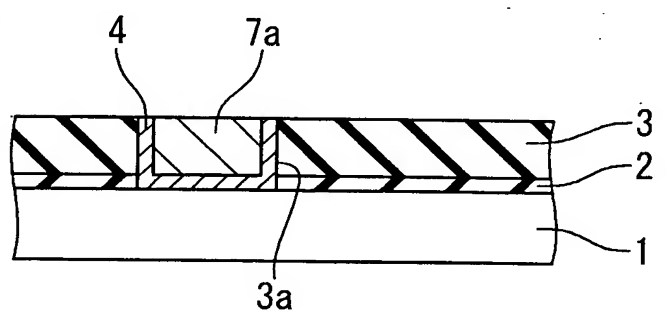


Fig. 12A

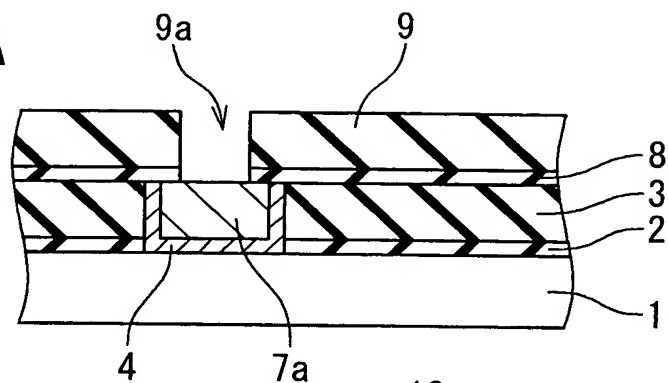


Fig. 12B

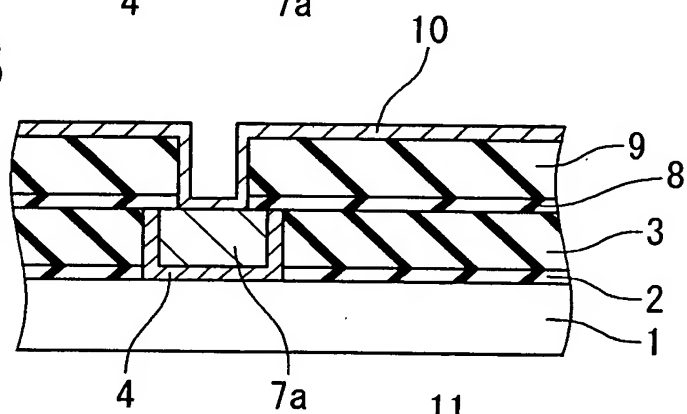


Fig. 12C

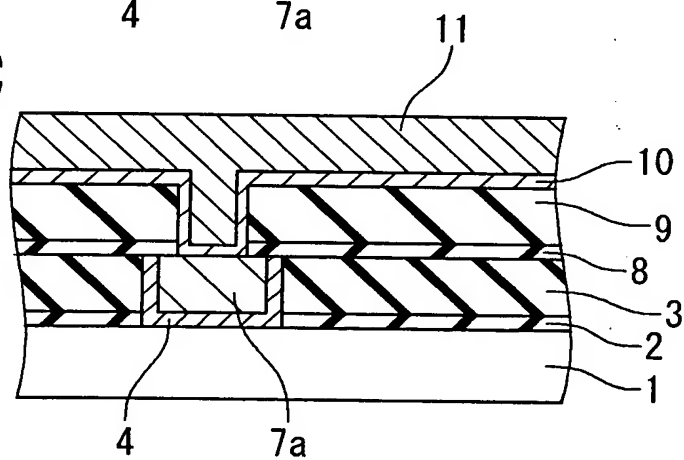


Fig. 12D

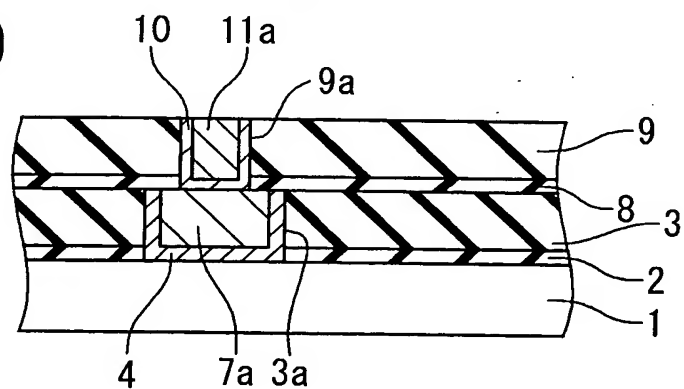


Fig. 13A

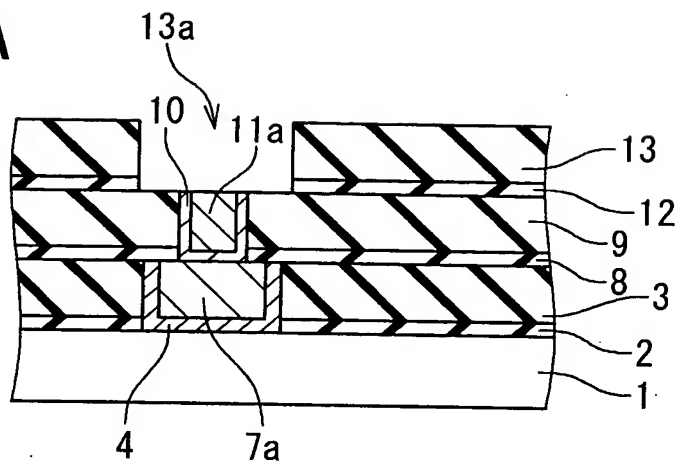


Fig. 13B

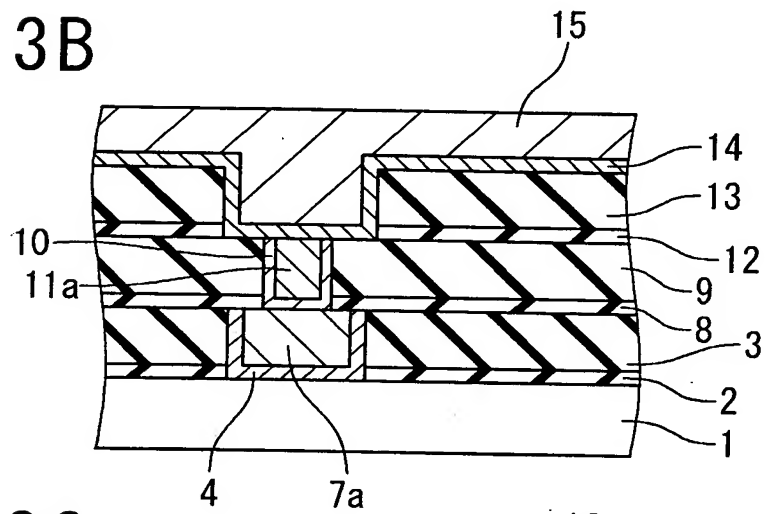


Fig. 13C

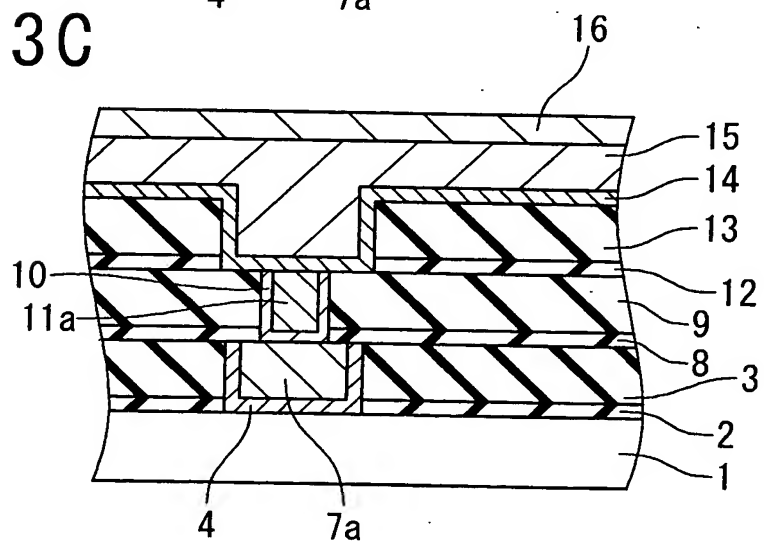


Fig. 14A

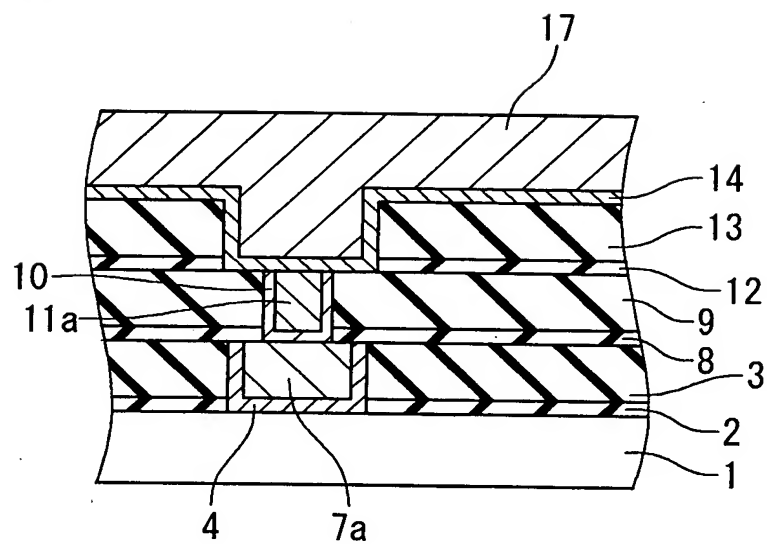


Fig. 14B

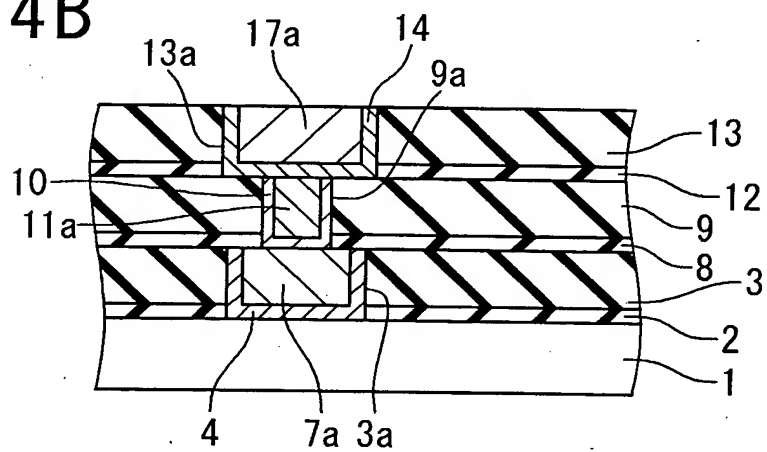


Fig. 15A

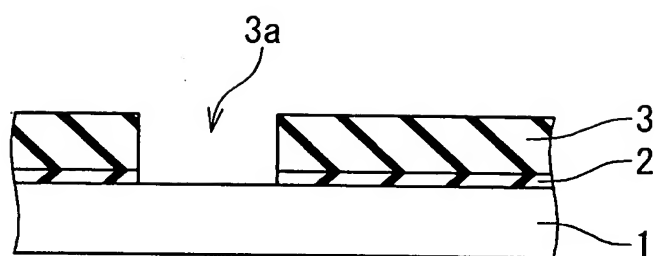


Fig. 15B

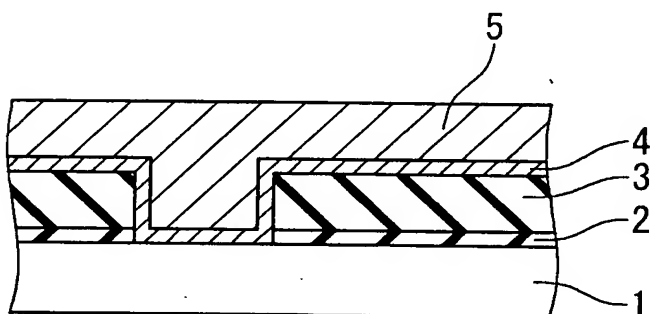


Fig. 15C

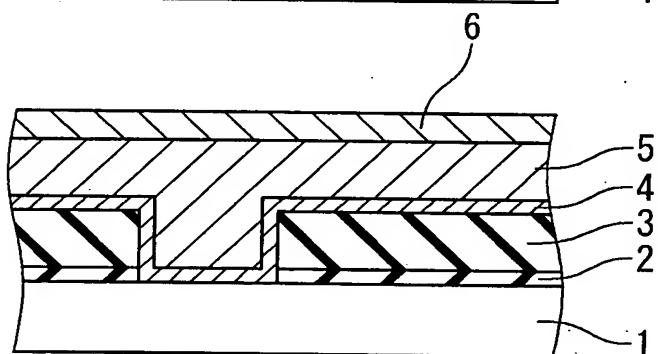


Fig. 15D

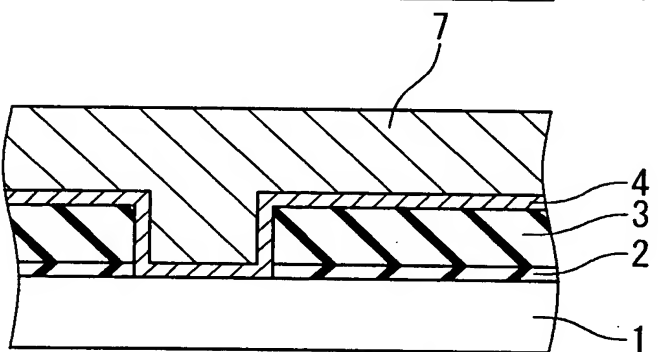


Fig. 15E

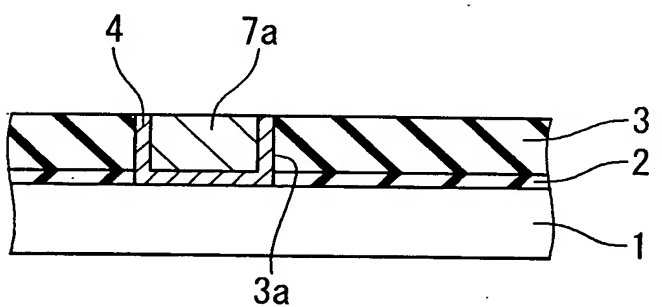


Fig. 16A

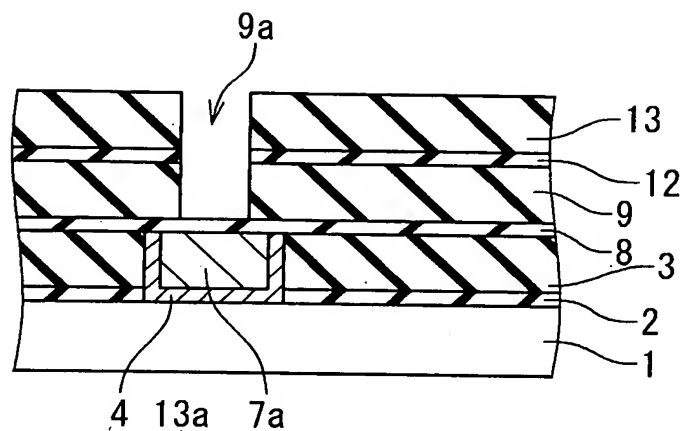


Fig. 16B

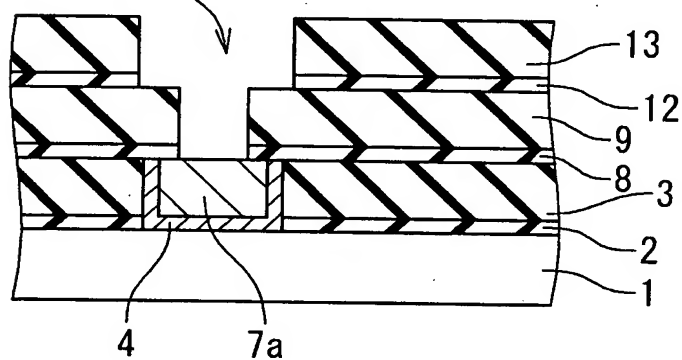


Fig. 16C

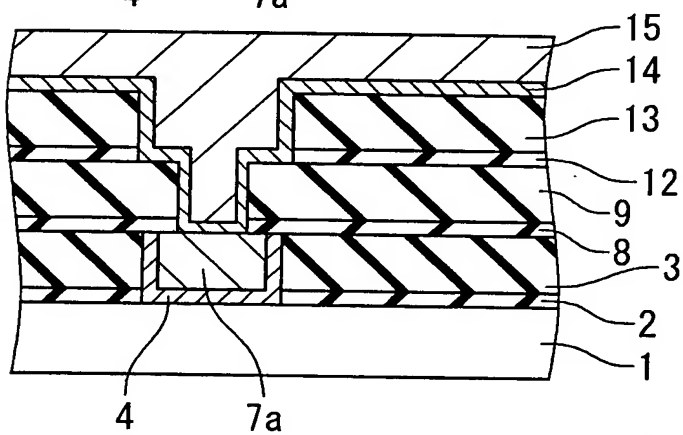


Fig. 16D

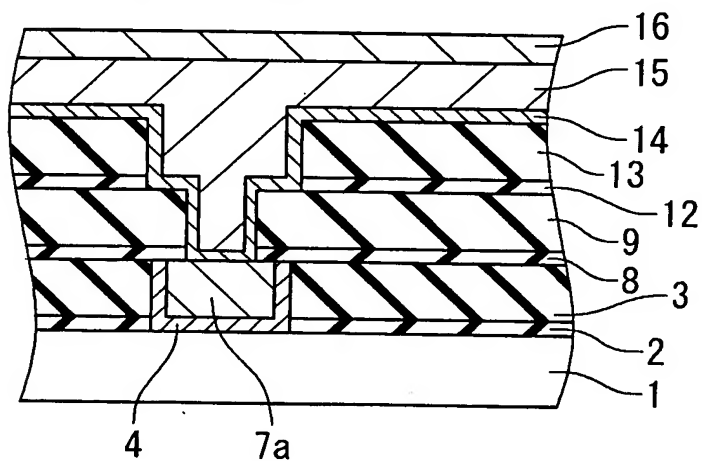




Fig. 17A

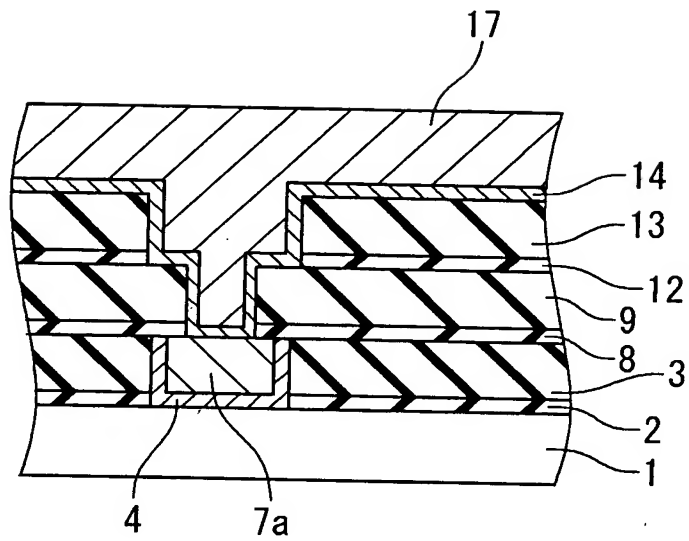


Fig. 17B

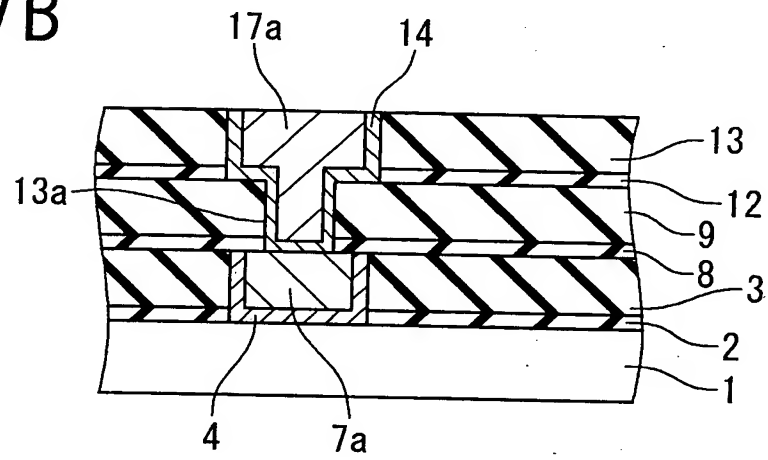


Fig. 18

SAMPLE NO.	1	2	3	4	5	6	7	8
Al FILM THICKNESS (Å)	600	800	800	800	800	1000	1000	REFERENCE
HEAT TREATMENT CONDITION	350°C-1h	350°C-1h	300°C-1h	335°C-1h	350°C-30m	300°C-1h	335°C-1h	
SHEET RESISTANCE (mΩ/□)	53.4	68.0	48.2	58.8	60.4	49.8	44.5	45.6
ALLOY FILM THICKNESS (Å)	4555	4341	4639	4348	4517	4936	4454	3700
RESISTIVITY (Ω cm)	2.43E-06	2.95E-06	2.23E-06	2.55E-06	2.73E-06	2.46E-06	3.21E-06	1.69E-06
SHEET RESISTIVITY CONVERTED INTO 3200 Å	75.9	92.3	69.8	79.9	85.3	76.8	100.2	52.7

Fig. 19

